1. Which state of India produces the highest quantity of Jute?
   A. Bihar   B. Odisha
   C. West Bengal   D. Jharkhand

2. Pointing to a man in a photograph, Gunjansaid, "His mother's only daughter is my mother." How is Gunjan related to that
   A. Nephew   B. Sister
   C. Wife   D. Niece

3. If√5 = 2.236; then √5/2 is
   A. 1.851   B. 1.118
   C. 2.236   D. 1.782

Comprehension:
Study the following figure and answer the questions given below.

☐ Trained Lecturers
◯ Married Population
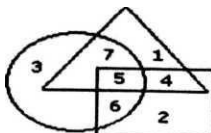△ Lecturers in college
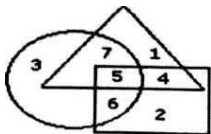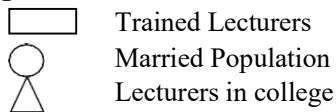
Sub-Question No: 4

4. By which number, the Trained unmarried lecturers in the college are represented?
   A. 6   B. 5
   C. 7   D. 4

Comprehension:
Study the following figure and answer the questions given below.

☐ Trained Lecturers
◯ Married Population
△ Lecturers in college

Sub-Question No: 5

5. If Ravenshaw College management requires only married trained lecturers for teaching. What is represented by the number 7?
   A. Married lecturers in the college

B. Trained lecturers
C. Unmarried trained lecturers
D. Married trained lecturers

Comprehension:
**Study the following figure and answer the questions given below.**

☐ Trained Lecturers
◯ Married Population
△ Lecturers in college
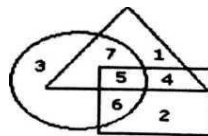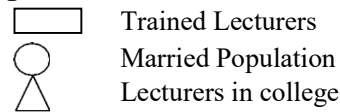
Sub-Question No:6

6. By which number, the trained married lecturers in the college are represented?
   A. 7   B. 6
   C. 5   D. 4

Comprehension:
Study the bar chart and answer the questions based on it.
Production of Pesticides by Coromandal International Ltd. Company (in 1000 tonnes)
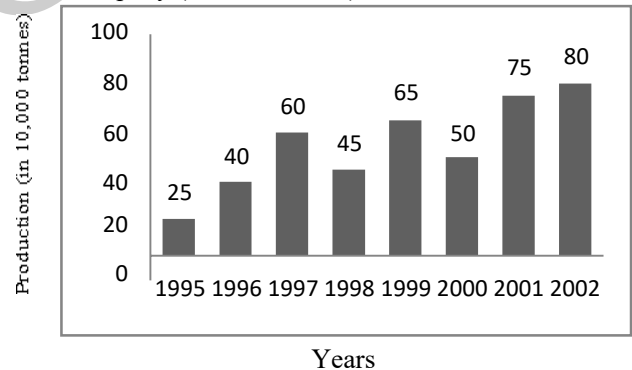
Years

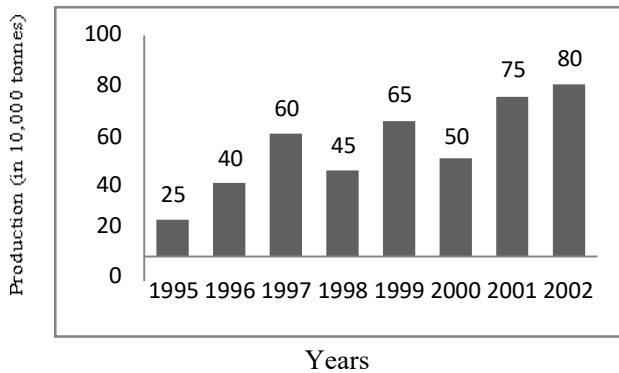**Sub-Question No: 7**

7. The average production of 1996 and 1997 was exactly equal to the average production of which of the following pairs of years?
   A. 2000 and 2001   B. 1999 and 2000
   C. 1998 and 2000   D. 1995 and 2001

Comprehension:
Study the bar chart and answer the questions based on it.
Production of Pesticides by Coromandal International Ltd. Company (in 1000 tonnes)
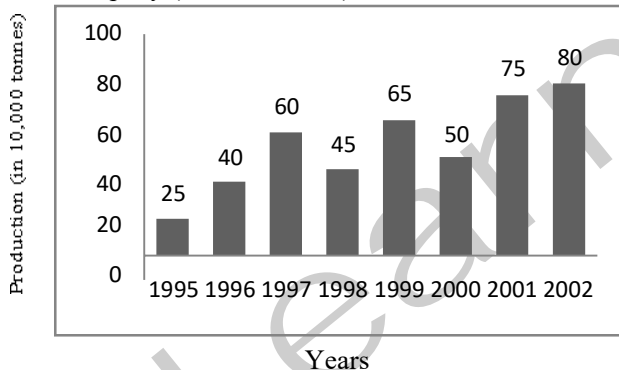
Years

Sub-Question No: 8

8. What was the percentage increase in production of Pesticides in 2002 compared to that in 1995?
    A. 320%   B. 300%
    C. 220%   D. 200%

Comprehension:

Study the bar chart and answer the questions based on it.

Production of Pesticides by Coromandal International Ltd. Company (in 1000 tonnes)

Years

Sub-Question No: 9

9. In which year was the percentage increase in production as compared to the previous year the maximum?
    A. 2002   B. 2001
    C. 1997   D. 1996

10. If $19x^2 = 100^2 - 90^2$, then find the value of x
    A. 10   B. 9
    C. 11   D. 12

11. Battle of Gulnabad was led by Mahmud Hotaki and fought in the year_____.
    A. 1770   B. 1722

C. 1712   D. 1702

12. Which of the following Languages was not included in the 8th schedule of Indian Constitution through 92nd amendment act?
    A. Majthili   B. Bode
    C. Santhali   D. Kannada

13. Introducing a man, Shamita said, "He is the only son of my mother's mother." How is Shamita related to the man?
    A. Mother   B. Aunt
    C. Sister   D. Niece

14. Insert the missing character depicted by ?

18	24	32
12	14	16
3	?	4
72	112	128

    A. 2   B. 3
    C. 4   D. 5

15. Who has been appointed as first-ever Ombudsman (Ethics officer) ofBCCI?
    A. Justice A. P. Shah
    B. Justice Anil R. Dave
    C. Justice DipakMisra
    D. Justice Jagdish Singh Khehar

16. Belur Math is located at:
    A. West Bengal   B. Maharashtra
    C. Uttar Pradesh   D. Tamil Nadu

17. ____soils are red in color and not suitable for agriculture found along the Tamil Nadu, Odishaand small part ofChhotanagpurand Meghalaya.
    A. Alluvial Soil   B. Red Soil
    C. Laterite Soil   D.Regur Soil

18. If in a certain language, SCARCE is coded as CSRAEC, how is STABLE coded in that code?
    A. TBSABL   B. BTSAEL
    C. BTELSA   D. TSBAEL

19. In terms of environmental studies, CER refers to:

A. Certified Emission Reductions
B. Capped Emission Repository
C. Certified Emission Repository
D. Capped Emission Reductions

20. Who is AmrutYojana scheme named after? (initiative to meet the nutrition needs of pregnant, lactating women in the tribal areas)
A. Mahatma Gandhi B. Abdul Kalam
C. B.R. Ambedkar D. Indira Gandhi

21. If a/b = 1/4 ; b/c =1/8 and a=2 then the value of c is-
A. 8   B. 16
C. 32   D. 64

22. _____is one of the largest palaces in India, also known as Amba Vilas and was the residence of Wodeyar Maharaja.
A. Mysore Palace
B. Leh palace
C. Mattancherry Palace
D. Hampi

23. 20 pens and 46 pencils were purchased for Rs.235. If the average price of a pencil is Rs.2.50 then calculate the average price (in Rs.) of a pen.
A. 6   B. 4
C. 8   D. 12

24. When was the ASLV used in India for the first time?
A. 1980   B. 1987
C. 1994   D. 2000

25. Rahul and Raghavare 110 km apart from each other and they started horse-riding towards each other at same fane at a speed of 20 km/hr and 24 km/hr. After how many hours of riding will they be a distance of 22 km?
A. 1 hour   B.1 hour 30 mi
C. 2 hours   D 2 hours 30 min

26. Which part of the human brain is the centre for intelligence, memory and emotions?
A. Hypothalamus   B. Cerebrum
C. Corpus Callosum   D.Mid Brain

27. If $\sin \theta = 40/41$, then $\cot \theta$ is
A. 40/9   B. 9/40
C. 9/41   D. 41/9

28. Complete the Figure X from the given alternatives 1,2,3,4

A. 1   B. 2
C. 3   D. 4

29. Factors of $x^2+7x+10$ are
A. (x-5) (x-2)   B. (x+5) (x+2)
C. (x-5) (x+2)   D. (x-4) (x+2)

30. A good cricket fielder while catching a fast moving ball moves his hand along with the ball because _____
A. He decreases the time of contact therefore increasing the force of contact.
B. He increases the time of contact thereby reducing the force of contact.
C. He is afraid to fake the ball and thus takes his hand out.
D. He decreases the time of contact therefore reducing the force of contact.

31. _____a professional Tennis player, became the new goodwill ambassador for the UN Fund for Children.
A. Soma Mirza   B. Scram Williams
C. Novak Djokovic   D. Roger Federer

32. Name the committee appointed in 1986 by Rajiv Gandhi on "Revitalisation of Panchayati Raj Institution for Democracy & Development".
A. Ashok Mehta Committee
B. L M Singhvi Committee
C. G.V.K Rao Committee
D. BalwantRai Mehta Committee.

33. Who was the founder of "Home Rule League Movement"?
    A. Sarojini Naidu
    B. Annie Besant
    C. Joseph Baptista
    D. Muhammad Ali Jinn ah

34. Three clocks are designed to stem in every hour, two hoursand three hours respectively. If they all alarmed together three hours before then after how many hours will they next alarm together?
    A. 3hours   B. 6 hours
    C. 2 hours   D. 1 hours

35. In an examination, student gets on average 76 marks. The total marks for five subjects is 500. His marks in 4 subjects are mentioned; calculate the marks obtained by the student in Mathematics marked as "x" in the table below.

Subject	Maths	English	Sanskrit	Science	Social
Marks Obtained	x	87	83	78	57

    A. 80   B. 83
    C. 72   D. 75

36. Light can travel_____km in a year.
    A. 5 billion   B. 10 billion
    C. 5 trillion   D. 10 trillion

37. Insert the missing character depicted by "?"
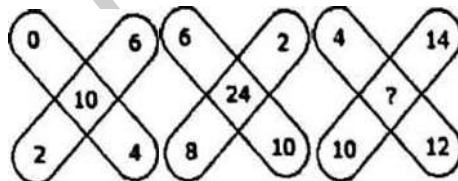
    A. 36   B. 48
    C. 38   D. 30

38. Two numbers are in ratio 3:4. When 3 is subtracted from both the numbers, the ratio becomes 2.3. Find the sum of the numbers.
    A. 16   B. 20
    C. 21   D. 22

39. A man, rowing a boat, covers a distance of 16 km in two hours downstream. He covers half the distance in same amount of time when rowing upstream. Calculate the speed of the stream.
    A. 4 km/hr   B. 2km/hr
    C. 3 km/hr   D.1 km/hr

40. Read the statement and select a conclusion from the given alternatives.
    Statement:
    The Official Secret Act (OSA) enacted by the „ABC" Government in the year 1930 seems to be one of the major sources of corruption in the country „X".
    Conclusions:
    I. The official Secret Act has to be abolished immediately to put an end corruption in the country „X"
    II. The „ABC" Government had an intention of encouraging corruption in the government offices.
    A. only conclusionI follows.
    B. only conclusion II follows
    C.either I or II follows.
    D. neither I or II follows

41. Complete the Figure X from the given alternatives 1,2,3,4
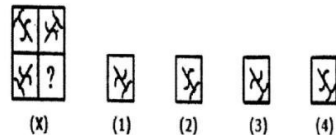
    A. 1   B. 2
    C. 3   D. 4

42. Galvanization a process to prevent rusting involves use of_____coating to steel or iron.
    A. Nickel   B. Magnesium
    C. Copper   D. Zinc

43. If the average age of 20 students in ClassI is 10 years and average age of 25 students in Class II is 12 years, find the average age (in yean) of all students.
    A. 11   B. 11.111
    C. 10.50   D. 10.83

44. The value of cos0° is
A. 0   B. Infinite
C. not defined   D. 1

45. **Direction:**
There are three statements which are followed by four conclusions. Choose the conclusions which logically follow from the given statements
Statements:
Some images are answers.
Some answers are videos.
All the videos are poems.
Conclusions:
(1) Some videos are answers.
(2) Some poems are images.
(3) All the images are poems.
(4) Some poems are answers.
A. Only (1) and (2)   B. Only (1) and (4)
C. Only (1) and (3)   D. Only (2) and (4)

46. If Selling Price is Rs.72 & Gain Percentage = 20%, calculate the Cost Price.
A. Rs.60   B. Rs.58
C. Rs.61   D. Rs.59

47. The lady who played an important role in the awakening of Indian women to fight for independence and who isalso known as Nightingale of India is-
A. Vijaya Lakshmi Pandit
B.DurgaBaiDeshmukh
C.SarojiniNaidu
D. Madam BhikaijiCama

48. What is the ratio of radius of incircle and circumcircle for an equilateral triangle with an area of 44√3 square units
A 1/2   B. 1/4
C. 1/3   D. 2/3

49. The major objective of INSAT series of satellites is to facilitate.
A. TV relay to remote areas
B. Mobile network in remote areas
C. Internet services
D. Mapping locations through OPS

50. Four pairs of words are given below out of which three are alike in some manner and one is different. Which is different from the rest?
A. Steel: Utensils   B. Bronze: Statue
C. Duralumin: AircraftD. Wood: Rails

51. Match the Correct Memory Units.
a) 4 bit   (p) 1MB
b) 1024 KB   (q) 1 byte
c) 1024 TB   (r) 1 nibble
d) 8 bit   (s) 1 PB
A. a-r, b-p, c-s, d-q
B. a-p, b-s, c-q, d-r
C. a-r, b-s, c-q, d-p
D. a-r, b-q, c-s, d-p

52. Radish is an example of:
A. bulb   B. root
C. tuber   D. fruit

53. Who among the following is known   as the Father of Civil Services in India?
A. Lord Cornwallis
B. Warren Hastings
C. Lord Wellesley
D. Lord William Bentinck

54. If in a certain language, MANURE is coded as EMRNUA, how is LIVELY coded in that code?
A. YLLEVT   B. YLVLEI
C. YLLVEI   D. YLVLIE

55. Which secondary colour is obtained by mixing two primary colours, red and blue?
A. White   B. Yellow
C. Magenta   D. Cyan

56. A shopkeeper purchased a pen drive of marked price Rs.1000 at successive discounts of 10% & 13% respectively. He spend Rs.35 on packaging and sold it on Rs.1000. Calculated the Gain percent.
A. No Gain   B. 25%
C. 30%   D. 35%

57. Which of the following branch of medical science deals with the study and treatment of the liver?

A. Helcology   B. Hepatology
C. Heterology   D. Geriatrics

58. A, B and C can complete the work in 4, 5 and 6 hours respectively. If they all work together and receive Rs.777 as wages, then find the share of A.
A. Rs.300   B. Rs.313
C. Rs.326   D. Rs.175

59. Insert the missing character depicted by „?"
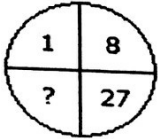
A. 41   B. 64
C. 35   D. 61

60. Human blood platelets releases_____which helps in clotting of blood.
A. Prothrombin   B. Fibrin
C. Fructose   D. Sucrose

61. A man buys 10 oranges for Rs.3 and sells 8 for Rs.3. Calculate his gain percent.
A. 20%   B. 25%
C. 27%   D. 30 %

62. What was the major decision that took place in 1987 Montreal Conference?
A. Developed countries will completely ban CFC production by 2000
B. Developed countries will completely ban CFC production by 2010
C. Developing countries will completely ban CFC production by 2000
D. Developing countries will completely ban CFC production by 2020

63. The value of (0.00000729/0.00000027) is
A. 0.27   B. 0.027
C. 2.7   D. 27

64. If $2x+3 = 9$ then find the value of $3x+2$
A. 12   B. 16
C. 13   D. 11

Comprehension:
Answer the questions based on the following information:
Six colleagues are sitting in a circle and are facing the center of the circle. Diana is between Puskar and Padma. Priyanka is between Mahesh and Lucky. Puskar and Mahesh are opposite to each other.
Sub-Question No: 65
65. Who is just right to Padma?
A. Diana   B. Lucky
C. Puskar   D. Priyanka

Comprehension:
Six colleagues are sitting in a circle and are facing the center of the circle. Diana is between Puskar and Padma. Priyanka is between Mahesh and Lucky. Puskar and Mahesh are opposite to each other.
Sub-Question No: 66
66. Who is sitting opposite to Priyahka?
A.Puskar   B. Diana
C. Padma   D. Lucky

Comprehension:
Answer the questions based on die following information:
Six colleagues are sitting in a circle and are facing the center of the circle. Diana is between Puskar and Padma. Priyanka is between Mahesh and Lucky. Puskar and Mahesh are opposite to each other.
Sub-Question No: 67
67. Who are the neighbors of Mahesh?
A. Puskar and Diana
B. Diana and Priyanka
C. Priyanka and Padma
D. Lucky and Priyanka

68. Find the least number that must be subtracted from 98534, to get a number exactly divisible by 824.
A. 484   B. 478
C. 422   D. 375

69. **Direction:**
There are three statements which are followed by three conclusions. Choose the conclusions which logically follow from the given statements.
Statements:
All the doors are keys.
All the keys are bats.

Some clocks are bats.
Conclusions:
(1) Some bats are doors.
(2) Some clocks are keys.
(3) All the keys are doors.
A. Only (1) and (2)   B. Only (1)
C. Only (2)   D. Only (1) and (3)

70. NASA is responsible for space program and _____ research.
A. Atomic   B. Aeronautics
C. Robotic   D. Nuclear

71. A motorist knows four different routes from Jaipur to Bhangarh to Alwar he knows three different routes and from Alwar to Carlisle he knows two different routes. How many routes does he know from Jaipur to Carlisle?
A. 12   B. 24
C. 49   D. 60

72. A table tennis player, lost 12 games out of I18 games played. Calculate the games won in terms of decimal.
A. 0.667   B. 0.067
C. 0.50   D. 0.333

73. Rampal told Arjun, „Yesterday I defeated the only brother of the daughter of my grandmother". Whom did Rampal defeat?
A. Son   B. Father
C. Brother   D. Father-in-law

74. An example of Full Duplex communication channel.
A. Radio Broadcasting
B. Television Broadcasting
C. Walkie-Talkie
D. Telephone conversation

75. Calculate the principal if an amount of Rs.441 is received on compound interest at the rate 5% per annum after 2 years.
A. Rs.400   B. Rs.390
C. Rs.380   D. Rs.350

76. Prime Minister Narendra Modi has released two commemorative coins of denominations Rs.125 & Rs.10 as a mark of tribute to whom?
A. Abdul Kalam   B. Mahatma Gandhi
C. Dr.Rajendra Prasad D. B.R.Ambedkar

77. Which of the following planets is no more considered as planet?
A. Jupiter   B. Pluto
C. Saturn   D. Mercury

78. India has designed and developed pilotless target aircrafts named _____ and made successful test flights of its unmanned air vehicle (UAV).
1. Nishant
2. Lakshya
3. Astra
A. Only 2   B. Only 1
C. Only 2 and 3   D. Only 1 and 2

79. In a certain code Language, if CHECK is coded at 97294 and QUERY is coded and 51238, then CHERRY will be coded as?
A. 729833   B. 792338
C. 972338   D. 338972

80. World climate conference popularly known as COP-21 was held in
A. New York   B. London
C. Paris   D. Berlin

81. Which is the correct ascending order of the given numbers?
A. $\frac{5}{8}, \frac{19}{24}, \frac{11}{16}$ B. $\frac{11}{16}, \frac{5}{8}, \frac{19}{24}$
C. $\frac{5}{8}, \frac{11}{16}, \frac{19}{24}$ D. $\frac{19}{24}, \frac{11}{16}, \frac{5}{8}$

82. Read the statements and select a conclusion from the given alternatives:
Statement:
While presenting a stage show recently, the famous actress declared that she has a practice of either taking hill payment or none for her stage shows.
Conclusions:
I. The actress has taken foil payment for her recent stage show.

II. The actress did not take any money for her recent stage show.
A Only conclusion I follows.
B. Only conclusion II follows.
C. Either 1 or II follows
D. Neither I nor II follows

83. Susruta is known as:
A. father of Indian Medicine
B. father of Indian Surgery
C. father of Indian Ecology
D. father of Indian Paleobotany

84. Read the statements and select a conclusion from the given alternatives:
Statements:
All button are pink.
Some pink are black.
Some black are bell.
All bell are white.
Conclusions:
I. Some black are white
II. Some bell are pink
III. Some pink are button.
IV. No button is white.
A. Only I and III follow
B. Either III or IV follows
C. Only I and either m or IV follow
D. Only I, II and either III or IV follow

85. Sri Lanka got Independence in the year
A. 1947   B. 1948
C. 1949   D. 1950

86. Match the following correctly:

Produce	Uses
P) Petroleum ether	a. Fuel
Q) Paraffin wax	b. Solvent in perfumery, for dry cleaning
R)Asphalt and coke	c. Roofin road building, electrodes
S) Gasoline	d.Ointments&cosmetics

A. P-a, Q-b, R-c, S-d   B. P-b, Q-d, R-c, S-a
C. P-d, Q-b, R-c, S-a   D. P-d, Q-c, R-b, S-a

87. Compute of $33333 \times 9999 =$?
A. 332396667   B. 333297667
C. 33329667   D. 333296667

88. Before Indian constitution came into existence,was the last Governor-General of India.
A. Chakravarti Rajagopalachari
B. The Viscount Mountbatten
C. Dr. Rajendra Prasad
D. The Viscount Wavell

89. _____is conducted to examine the cancerous tissues.
A. Biopsy   B. Bioscopy
C. Choledology   D. Radiography

90. Read the statement select a conclusion from the given alternatives:
Statements:
Some dark are black.
Some black are grey.
All grey are red.
All red are baby.
Conclusions:
I. Some red are black.
II. Some baby are black.
III. Some baby are grey.
IV. Some red are dark.
A. Only I and II follow
B. Either III or IV follows
C. Only I, II and III follow
D. Only I, II and either III or IV follow

91. Match the following Monuments/Places with their correct location.

Monuments/Places	Location
P) Golkonda Fort	a. Hyderabad
Q) Buland Darwaza	b. Fatebpur Sikri
R) Humayun Tomb	c. New Delhi
S) Rani ki Vav	d. Patan

A. P-a, Q-b, R-c, S-d   B. P-a, Q-c, R-b, S-d
C. P-d, Q-b, R-c, S-a   D. P-d, Q-c, R-b, S-a

92. The median of the data 12,1,10,8,1,9,3,4,9, 7,9 is:
A. 7   B. 8   C. 9   D. 7.5

93. Sum of the exterior angles of a polygon is equal to:
    A. 180   B. 450   C. 360 D. (n-2)180

94. An internet download bill coats Rs.18 for 2 minutes 30 seconds. What is the cost in rupees for 3 minutes 20 seconds? (Round upto one decimal)
    A. 24   B. 24.1   C. 24.2   D. 23.9

95. Consider the following information: + stands for x, - for $\div$, x for - and $\div$ for +, then find the value of 26 + 74 - 4 x 5 $\div$ 2.
    A. 220   B. 376   C. 478   D. 488

96. In a certain code language, If RABBIT is coded as 927763 and DRAFTER is coded as 8920349, then BETTER will be coded as?
    A. 743394   B. 743349
    C. 734349   D. 373449

97. Match the following and select the correct code.
    A) Quick lime   P) $CO(NH_2)_2$
    B) Slaked lime   Q) Na_2CO_3
    C) Urea   R) CaO
    D) Washing soda   S) $Ca(OH)_2$
    A. A-S, B-R, C-P, D-Q
    B. A-R, B-S, C-Q, D-P
    C. A-R, B-S, C-P, D-Q
    D. A-S, B-R, C-Q, D-P

98. In a certain code language, if NUMERIC is coded as 3145798 and ROMAN is coded as 76423, then MANNER will be coded as?
    A. 423357   B. 423375
    C. 332475   D. 323754

99. _____ is the written document that an anthropologist produces from the research depicting a culture.
    A. Ethnography   B. Cultural Relativism
    C. Ethnocentrism   D. Ethno botany

100. Compute: 19170 $\div$ 54 $\div$ 5
    A. 17   B. 1775
    C. 71   D. 1757

ANSWER KEY

1.	C	2.	D	3.	B	4.	D	5.	A	6.	C	7.	D	8.	C	9.	D	10.	A
11.	B	12.	D	13.	D	14.	B	15.	A	16.	A	17.	C	18.	D	19.	A	20.	B
21.	D	22.	A	23.	A	24.	B	25.	C	26.	B	27.	B	28.	D	29.	B	30.	B
31.	D	32.	B	33.	B	34.	A	35.	D	36.	D	37.	C	38.	C	39.	B	40.	A
41.	D	42.	D	43.	B	44.	D	45.	B	46.	A	47.	C	48.	B	49.	A	50.	D
51.	A	52.	B	53.	A	54.	C	55.	C	56.	B	57.	B	58.	B	59.	B	60.	A
61.	A	62.	A	63.	D	64.	D	65.	A	66.	B	67.	C	68.	B	69.	B	70.	B
71.	B	72.	D	73.	D	74.	D	75.	A	76.	D	77.	B	78.	D	79.	C	80.	C
81.	C	82.	C	83.	B	84.	A	85.	B	86.	B	87.	D	88.	A	89.	A	90.	C
91.	A	92.	B	93.	C	94.	A	95.	C	96.	B	97.	C	98.	A	99.	A	100.	C